



9 | B
15.57/6348 5/14/03
Mollie

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of Tomoyuki Furuhata)
Serial No.: 10/014,584)
Filing Date: December 14, 2001)
For: SEMICONDUCTOR DEVICES HAVING)
A NON-VOLATILE MEMORY)
TRANSISTOR AND METHODS FOR)
MANUFACTURING THE SAME)

Group Art Unit: 2826

Examiner: Mandala, Victor A.

AMENDMENT

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sirs:

In response to the Office Action dated Feb. 4, 2003, the response being due by Monday, May 5, 2003 (May 4 was a Sunday), please enter and consider the following.

IN THE CLAIMS:

Please amend claims 11 and 18 as follows:

B1
11. (amended) A semiconductor device having a non-volatile memory transistor, comprising a non-volatile memory transistor including a semiconductor layer, a floating gate disposed above the semiconductor layer, and a control gate formed above the floating gate,

wherein a conduction layer is provided above the non-volatile memory transistor and at least a portion of the conduction layer is located vertically above the floating gate along the entire length of the floating gate, and

a width of the conduction layer located vertically above the floating gate is formed to be greater than a width of the floating gate.

B2
18. (amended) A semiconductor device having a non-volatile memory transistor according to claim 1, wherein the non-volatile memory transistor comprises a first circuit region, and wherein the semiconductor device further comprises a second circuit region, wherein the first circuit region and the second circuit region are formed in a sea of gates structure.

RECEIVED
MAY 12 2003
TECHNOLOGY CENTER 2826

In re the Application of Tomoyuki Furuhata
 Serial No.: 10/014,584
 Filing Date: December 14, 2001
 For: SEMICONDUCTOR DEVICES HAVING
 A NON-VOLATILE MEMORY
 TRANSISTOR AND METHODS FOR
 MANUFACTURING THE SAME



Group Art Unit: 2826

Examiner: Mandala, Victor A.

RECEIVED
MAY 12 2003
TECHNOLOGY CENTER 2800

Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Transmitted herewith is an Amendment in the above-identified application.

- Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a verified statement previously submitted.
- A verified statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed.
- It is believed that no additional fee is required.

The fee has been calculated as shown below:

	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO PREVIOUSLY PAID FOR	PRESENT EXTRA RATE	ADDIT. FEE OR + \$0	ADDIT. FEE OR + \$0
TOTAL	27	MINUS 9	27 = 0	x \$9 OR + \$140	x 18 \$0 x 84 \$0
INDEP CLAIMS *		MINUS 9	= 0	x \$42 OR	+ 280 \$0
				TOTAL \$0	TOTAL \$0

FIRST PRESENTATION OF MULTIPLE DEP. CLAIM

- Please charge Deposit Account No. 50-0585 the amount of \$____ to cover the extension fee and also the amount of \$____ to cover the claim fee. A duplicate copy of this sheet is enclosed.
- A check in the amount of \$____ to cover the extension fee is enclosed.
- A check in the amount of \$____ to cover the filing fee for additional claims is enclosed.
- A check in the amount of \$____ to cover the RCE fee is enclosed.
- A check in the amount of \$____ to cover the Information Disclosure Statement fee is enclosed.
- The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. No. 50-0585. A duplicate of this sheet is enclosed.
- Any filing fees under 37 CFR 1.16 for the presentation of extra claims.
- Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

Dated: May 5, 2003

Alan S. Raynes
 Registration No. 39,809
 KONRAD RAYNES VICTOR & MANN, LLP
 315 South Beverly Drive, Suite 210
 Beverly Hills, CA 90212
 (310) 556-7983 (tele.)
 (310) 556-7984 (fax)
 Customer No. 24033

Certificate of Mailing

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Non-Fee Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 5, 2003.

Alan S. Raynes

May 5, 2003
 Date